

**REMARKS**

Claims 1, 2, 11 and 19 have been amended in light of the Board decision dated June 14, 2007. Accordingly, reconsideration of this application is requested.

In particular, the Board construed the claims as not precluding optical coupling, *i.e.*, not requiring physically mounting or attaching photodetectors to the end of the bar detector strips. With this construction, the Board found the proposed combination of Zeng with Miraldi "reasonable."

Accordingly, the claims have been amended to now explicitly state that there is a physical attachment of photodetectors to the end of bar detector strips, as supported by the original disclosure. The Board found only that optical coupling of photodetectors to ends of the Zeng scintillation crystals would have been obvious. The Board did not hold that physical attachment would have been obvious; to the contrary the Board assumed (correctly) that Applicant's explanation that the photodetectors of Zeng must be located within the detector head 22. With such assumption, the claims as amended clearly are not suggested by any combination of Miraldi with Zeng.

**Conclusion**

In view of the foregoing further reconsideration of this application is requested.

Please charge any fee or credit any overpayment pursuant to 37 CFR 1.16 or 1.17 to Novak Druce Deposit Account No. 14-1437.

RESPECTFULLY SUBMITTED,					
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